

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/903,944**

DATE: 08/19/98  
TIME: 12:44:23

**INPUT SET: S28123.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## **SEQUENCE LISTING**

(1) General Information:

(i) APPLICANT: CHOU, Tau-San  
EISENREICH, Robert  
SANFORD, John  
BLOWERS, Alan  
SMITH, Franzine  
VAN ECK, Joyce

11  
12 (iii) TITLE OF INVENTION: PRODUCTION OF TRANSGENIC POINSETTIA

14 (iii) NUMBER OF SEQUENCES: 23

16 (iv) CORRESPONDENCE ADDRESS:

18 (B) STREET: 3000 K Street, N.W., S  
19 (C) CITY: Washington  
20 (D) STATE: D.C.  
21 (E) COUNTRY: USA  
22 (F) ZIP: 20007-5109

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Floppy disk  
26 (B) COMPUTER: IBM PC compatible  
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

30 (vi) CURRENT APPLICATION DATA:

31 (A) APPLICATION NUMBER: US 08/903,944  
32 (B) FILING DATE: 31-JUL-1997  
33 (C) CLASSIFICATION:

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: GRANADOS, Patricia D.  
37 (B) REGISTRATION NUMBER: 33,683  
38 (C) REFERENCE/DOCKET NUMBER: 89166/107

40 (ix) TELECOMMUNICATION INFORMATION:

41 (A) TELEPHONE: (202)672-5300  
42 (B) TELEFAX: (202)672-5399  
43 (C) TELEX: 904136

46 (2) INFORMATION FOR SEO ID NO:1:

**ENTERED**

**RAW SEQUENCE LISTING  
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DATE: 08/19/98  
TIME: 12:44:24

**INPUT SET: S28123.raw**

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/903,944**DATE: 08/19/98  
TIME: 12:44:26**INPUT SET: S28I23.raw**

100 Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala Phe  
101 1 5 10 15  
102  
103 Val Lys Ile Leu Asn Ser  
104 20  
105

106 (2) INFORMATION FOR SEQ ID NO:4:

107  
108 (i) SEQUENCE CHARACTERISTICS:  
109 (A) LENGTH: 21 amino acids  
110 (B) TYPE: amino acid  
111 (C) STRANDEDNESS: single  
112 (D) TOPOLOGY: linear  
113  
114  
115  
116  
117

118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

119  
120 Lys Ile Ala Gly Lys Ile Ala Lys Ile Ala Gly Lys Ile Ala Lys Ile  
121 1 5 10 15  
122  
123 Ala Gly Lys Ile Ala  
124 20  
125

126 (2) INFORMATION FOR SEQ ID NO:5:

127  
128 (i) SEQUENCE CHARACTERISTICS:  
129 (A) LENGTH: 27 amino acids  
130 (B) TYPE: amino acid  
131 (C) STRANDEDNESS: single  
132 (D) TOPOLOGY: linear  
133  
134  
135  
136  
137

138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

139  
140 Lys Arg Lys Arg Ala Val Lys Arg Val Gly Arg Arg Leu Lys Lys Leu  
141 1 5 10 15  
142  
143 Ala Arg Lys Ile Ala Arg Leu Gly Val Ala Phe  
144 20 25  
145

146 (2) INFORMATION FOR SEQ ID NO:6:

147  
148 (i) SEQUENCE CHARACTERISTICS:  
149 (A) LENGTH: 75 base pairs  
150 (B) TYPE: nucleic acid  
151 (C) STRANDEDNESS: single  
152 (D) TOPOLOGY: linear

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TIME: 12:44:28**INPUT SET: S28123.raw**

153  
154  
155  
156       (ix) FEATURE:  
157           (A) NAME/KEY: CDS  
158           (B) LOCATION: 1..72  
159  
160       (ix) FEATURE:  
161           (A) NAME/KEY: mat\_peptide  
162           (B) LOCATION: 1..72  
163  
164  
165       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
166  
167       ATG GGC ATC GGA AAG TTC CTT CAC AGT GCA AAG AAG TTC GGA AAG GCC       48  
168       Met Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala  
169       1                   5                   10                   15  
170  
171       TTC GTG GGT GAG ATC ATG AAC AGT TAA       75  
172       Phe Val Gly Glu Ile Met Asn Ser  
173           20  
174  
175  
176       (2) INFORMATION FOR SEQ ID NO:7:  
177  
178           (i) SEQUENCE CHARACTERISTICS:  
179              (A) LENGTH: 24 amino acids  
180              (B) TYPE: amino acid  
181              (D) TOPOLOGY: linear  
182  
183           (ii) MOLECULE TYPE: protein  
184  
185       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
186  
187       Met Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala       75  
188       1                   5                   10                   15  
189  
190       Phe Val Gly Glu Ile Met Asn Ser  
191           20  
192  
193       (2) INFORMATION FOR SEQ ID NO:8:  
194  
195           (i) SEQUENCE CHARACTERISTICS:  
196              (A) LENGTH: 72 base pairs  
197              (B) TYPE: nucleic acid  
198              (C) STRANDEDNESS: single  
199              (D) TOPOLOGY: linear  
200  
201  
202  
203       (ix) FEATURE:  
204           (A) NAME/KEY: CDS  
205           (B) LOCATION: 1..69

**RAW SEQUENCE LISTING  
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206  
207 (ix) FEATURE:  
208 (A) NAME/KEY: mat\_peptide  
209 (B) LOCATION: 1..69  
210  
211  
212 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
213  
214 ATG GGA ATC GGC AAG TTC CTC AAG AGC GCA AAG AAG TTT GGC AAG GCC 48  
215 Met Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala  
216 1 5 10 15  
217  
218 TTC GTG AAG ATC CTG AAC TCC TAA 72  
219 Phe Val Lys Ile Leu Asn Ser  
220 20  
221  
222  
223 (2) INFORMATION FOR SEQ ID NO:9:  
224  
225 (i) SEQUENCE CHARACTERISTICS:  
226 (A) LENGTH: 23 amino acids  
227 (B) TYPE: amino acid  
228 (D) TOPOLOGY: linear  
229  
230 (ii) MOLECULE TYPE: protein  
231  
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
233  
234 Met Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala 88  
235 1 . 5 10 15  
236  
237 Phe Val Lys Ile Leu Asn Ser  
238 20  
239  
240 (2) INFORMATION FOR SEQ ID NO:10:  
241  
242 (i) SEQUENCE CHARACTERISTICS:  
243 (A) LENGTH: 69 base pairs  
244 (B) TYPE: nucleic acid  
245 (C) STRANDEDNESS: single  
246 (D) TOPOLOGY: linear  
247  
248  
249  
250 (ix) FEATURE:  
251 (A) NAME/KEY: CDS  
252 (B) LOCATION: 1..66  
253  
254 (ix) FEATURE:  
255 (A) NAME/KEY: mat\_peptide  
256 (B) LOCATION: 1..66  
257  
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/08/903,944**

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Original Text